No. & Final Bill

Division: RR Nagara

Bill received No.:

Scheduled Docket No dated

Name of work(As per sanctioned Estimate):

Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For other works)

SBR No. / 2021-22

EST.COST: 20.00 Lakhs

Dated:

Sub-Division: Yeshwanthapura

Sub-Divisional Cash Book Vr.No: Dated:

Head of Account:P-1771

Drilling of Borewell and Installation of Pump and motor and laying of pipeline to providing drinking water to Sidhrath Nagara and Katha Nagara in Ward No 16 Jalahalli

Name of Contractor and full address: **Sri Chandrashekar Reddy**

Work Order No:EE/RRND/Wo.No/000136/2020-21 **Date:02.01.2021** **Job Code : 016-20-000013**

Certified that the measurements were taken by me on 01/03/2021 and recorded on pages ~~597669~~ to ~~597677~~ of 597612 - 597617 Measurement Book No. 5944/21-22 and that the work is satisfactorily executed

Contractor

Officer-in-charge of the work

Certified that the measurements were checked by me on 01/03/2021 and found correct.The work is satisfactorily executed. Certified that the quantities of metrials shown in column of Account II have actually bruoght to the site of the work and the contractor has not previously receivedany advance on this security. These materials are of an perishable nature and are all required by the contractor for immediate use on the work in connection with the itms for which rates for finished work have been agreed upon.A formal agreement signed and executed by the contractor is recorded in Division office.

Assistant Executive Engineer
Yeshawanthapura Sub-Division.

	II Memorandum		
1	Total value of work done or supplies made asper Account within	₹ -	17,30,082 -
2	Deduct amount to be held in reserve being percent Rs.	G.S.T @ 12% (+)	207610 —
3	Balance		19,37,692 -
4	Deduct payments:-		
	a)Amount of previous payments as in Divisional/Sub-Divisional Cash Book		
	b)Payment Amount adjusted towards cash advance recovery of cost of Stores of other materials supplied	IT - 17301 -	
	Now made -Recovery of amount creditable to this other work	CGST - 17301 -	
	Amount paid on this bill by cheque/cash	SGST - 17301 -	(-) 131784 -
		LR - 8850 -	
5	Balance being unpaid value of work done held in reserve	CBF - 1730 -	
6	Deduct cash advance made on Divisional/Sub-Divisional cash Book Vr.No Dated Less adjustments	LWC - 17301 -	By Cheque - 18,05,908 -
7	Net amount due to or from Contractor		
	UN ADJUSTED ITEMS	FSD - 52000 -	
8	Advance to contractor for materials brought to site(as detailed within)		
9	Value of Government materials supplied		
	Total amount unpaid		

Contractors signature

(For use in the Executive Engineer's office)

Received (jn words)

.....

.....by cash and by adjustment of

(In the final settlement of all demands)

Witness:

1

2

Signature of contractor

Date

Paid by me cheque No dated

Cash Rs

Date Initials of officer making payment

Audited and admitted for Rs. 1937692 -

Passed by Cheque for Rs. 1805908 -

(Eighteen lakh five thousand nine hundred and eight only)

by adjustment 131784

Accounts Superintendent Exe. Engineer

Rajarajeshwari Nagar Division, BBMP

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Name of Works:- Drilling of Borewell and Installation of Pump and motor and laying of pipeline to providing drinking water to Siddrath Nagara and Katha Nagara in Ward No 16 Jalahalli

It No	Description of Item	unit	BOQ		Previous		Present Measurements			Total upto date	
			Qty	Rate	Qty	Amount	Qty	Rate	Amount	Qty	Amount
1	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand Pump, MWS or P.W.S.S. by vertical electrical sounding by adopting Venner or chlumbergers's method, including reconnaissance survey of geological formation, Geophysical investigation of existing Ground Water in the vicinity, its quality, quantity & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation for proper seating of casing pipe, depth of 1.00 mtr in concolidated formation proper seating of casing pipe deapth depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, engaging technical personal and labour required etc.	Each	2.00	1972.00	-	-	2.00	1972.00	3944	2.00	3944
2	Sinking of bore well of 165mm dia clear using supar fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over burden upto 20mtr, fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicle crew charges cost of consumables etc., complete including yield testing at the final depth with a minimum working compressor for one hour (Excluding cost of casing pipes, collars & cap etc.) 0.00 to 50.00 mtr	Rmtr	100.00	321.00	-	-	100.00	321.00	32100	100.00	32100
3	50 to 100 Mtr	Rmtr	100.00	419.00	-	-	100.00	419.00	41900	100.00	41900
4	100 to 150 Mtr	Rmtr	100.00	466.00	-	-	100.00	466.00	46600	100.00	46600
5	150 to 200 Mtr	Rmtr	100.00	493.00	-	-	100.00	493.00	49300	100.00	49300
6	200 to 250 Mtr	Rmtr	100.00	570.00	-	-	100.00	570.00	57000	100.00	57000
7	250 to 300 Mtr	Rmtr	100.00	611.00	-	-	100.00	611.00	61100	100.00	61100
8	300 to 350 Mtr	Rmtr	100.00	652.00	-	-	100.00	652.00	65200	100.00	65200

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It No	Description of Item	unit	Qty	Rate	Qty	Amount	Qty	Rate	Amount	Qty	Amount
9	Supply of ISI mark 175mm nominal board medium blockERW casing pipe of 5mm thick block in electric resistance continuous welding mild steel tube material confirming to IS 1387/1993 & manufactured by basic open hearth electric or basic okygen process in random length of 5 to 7mts.Both ends threaded confirming toIS554/1985.One end fixed with a socket confirming to IS 4270;2001 and the other end srewed pipes.All pipes shall be reasonably straiget shoud be with ISI marking weighing 25.10kg/mtr.(incluses of all taxes)	Rmtr	100.00	1388.00	-	-	100.00	1388.00	138800	100.00	138800
10	Supplying of 175 mm dia MS Cap	Each	2.00	105.00	-	-	2.00	105.00	210	2.00	210
11	Supplying of 175 mm dia MS Collar	Each	16.00	157.00	-	-	16.00	157.00	2512	16.00	2512
12	Supply and delivery of submersible pump sets suitable for borewell of 165mm dia with specified duty conditions as detailed below and satisfying performance characteristics fro pump and motor specified in BIS with ISI mark with a minimum efficiency of 42% pump shall confirm to IS 8034/2002 and motor configuring to IS 9283/1995 with ISI certification	Nos	2.00	63604.00	-	-	2.00	63604.00	127208	2.00	127208
13	Supply and drawing 3 core flat PVC Sheathed submersible pump cable manufactured with eloctrolytic grade copper conductor confirming to table 3 class 5 to IS 8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100 volts with specified IS 694:1990 and confirming attwached GTP of group A 3C X 6.0 sqmm	Mtrs	1360.00	158.00	-	-	1360.00	158.00	214880	1360.00	214880
14	Erection of Pumpset including alligning and balancing with all necessary erection materials and labour inlcuding supply and erection of one pair of supporting clams , borewell cap , cable clips with bolts , nuts , valve gauges etc., involved in the job. (Necessary G.I. pipe and specials will be supplied by the board at the site free of cost) (CE(M) BWSSB, letter No.BWSSB/CE (M) ACE(M)-II/TA-8/9194/2008-09 dated 21/1/09)(PWD SR 2018-19, P-XLVII, It.4.0)	Nos	2.00	1886.00	-	-	2.00	1886.00	3772	2.00	3772

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It No	Description of Item	unit	BOQ Qty	Rate	Qty	Amount	Qty	Rate	Amount	Qty	Amount
15	Providing and fixing in position 50mm nominal bore non-return valve vertical type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per	Nos	2.00	1436.00	-	-	2.00	1436.00	2872	2.00	2872
16	Supply and fixing 50mm GI Union.	Nos	4.00	234.00	-	-	4.00	234.00	936	4.00	936
17	Supply and fixing 50mm GI Elbow.	Nos	2.00	117.00	-	-	2.00	117.00	234	2.00	234
18	Supply and fixing 50mm GI Nipple.	Nos	4.00	109.00	-	-	4.00	109.00	436	4.00	436
19	Supply and fixing 50mm heavy duty House Collars.	Nos	100.00	108.00	-	-	100.00	108.00	10800	100.00	10800
20	Supply and delivery at site brand New star / Essen/ Lotus/ Sunshine / Adarsh/ GK Controls best indigenous energy make combined energy meter cum control pannel board unit of size 1200 X 600 X 350mm mechanically strong vermin and water proof.The unit shall have two detachable doors suitable for operation on 3ph, 50Hz, 380/440 volts, AC supply with spring loaded latch, locking device with a key ribs should be provided inside the door canopy apron and louvers ventilators shall be provided the combined energy meter cum control panel board unit suitable for operation on 3ph, 50Hz, 380/440 voltsAC supply shall be consists etc, complete the panel board shall be consists etc., complete the panel boards panel fabricated on single unit in the above components panel board for suitable pumpset with Star Delta Starter out door type 10 HP to 15 HP	Nos	2.00	6948.00	-	-	2.00	6948.00	13896	2.00	13896
21	Providing and fixing to wall, ceiling and floor galvonised/ mild steel tube 50mm dia nominal bore with fittings(medium grade weight 1.27kg/mtr) B class including cost of materials , labour charges, HOM of equipment and tesing complete as per specifications. Specification No. KBS 13.2.14/13.8	Rmtr	400.00	431.00	-	-	400.00	431.00	172400	400.00	172400

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It No	Description of Item	unit	Qty	Rate	Qty	Amount	Qty	Rate	Amount	Qty	Amount
22	Erection of combine Panel borad and meter unit with necessary materials and labour including providing cement concrete foundation bed concrete door type etc complete. (CE(M) BWSSB, letter No.BWSSB/CE(M)/ACE(M)-2/TA-8/9194/2008-09 dated 21/1/09).	Nos	2.00	445.00	-	-	2.00	445.00	890	2.00	890
23	Supplying of TPST with rewireable porcelain channels in SM encloser made out of 14 SWG powder coated paint of approved colour 32 amps Group A	Nos	2.00	1957.00	-	-	2.00	1957.00	3914	2.00	3914
24	Supplying and fixing 20"x20"x2.5" polished wood board made of not less than 15mm thick plank with front plank one end provided for holding at other end fixing the same of the valve using through bolts and nuts	Nos	2.00	316.00	-	-	2.00	316.00	632	2.00	632
25	Supplying and fixing LED type pannel board indicating lamp with required colous suitable for 220 V AC 50Hz 12/24V DC	Nos	2.00	463.00	-	-	2.00	463.00	926	2.00	926
26	Wiring for lightnening/ power circuit using one of FRLS PVC Insulated 1100 V grade multistrand copper conductor single core wire in open or concealed system of wiring as per IS 694:1990 and confirming to the attatched GTP of group A. 4Sqmm.	Mtrs	72.00	44.00	-	-	72.00	44.00	3168	72.00	3168
27	Fixing a shunt capacity upto 5KVAR capacity with necessary clamps, bolts and nuts on existing woden or metal board including banking of more than one capacitor.	Mtrs	6.00	145.00	-	-	6.00	145.00	870	6.00	870
28	Supplying and fixing regular MCB distribution boards on wall/ wood board / Flush mounting using required clamps, bolts , nuts with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG M.S enclosure. 12A SP and N	Nos	2.00	1097.00	-	-	2.00	1097.00	2194	2.00	2194

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No	Description of Item	Unit	Qty	Rate	Qty	Amount	Qty	Amount	Qty	Amount
29	Supplying and fixing wiring earth electrode for grounding conduits IC Cutouts and other equipments on the meter board using 40mm dia 2.90mm thick G.I. pipe 2.5Mtr long buried in a pit..... The pit should be filled with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connections from the pipe to the conduit etc., is to be established though GI wire of size as per ISi specification 7.3.3 of IS 732 using 12mm dia bolts, nuts, washers and checknuts etc., the pipe shall have 16though holes of 122mm dia .	Nos	2.00	2858.00	-	-	2.00	2858.00	5716	2.00	5716
30	Supplying fully automatic Star delta starter unit push button type with suitable wires 3 contractors and adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400 / 400 volts phase and wired after fixing to the existing wooden board for motor Group A, II above 15HP up to 25 HP	Each	2.00	6898.00	-	-	2.00	6898.00	13796	2.00	13796
31	Supplying and fixing Class A (Medium duty) -GI pipe wall thickness not less than 3.25mm on pole/wall/Drain crossing with necessary clamping arrangements for UG Cable of 1.1KV class 65mm	Mtrs	12.00	613.00	-	-	12.00	613.00	7356	12.00	7356
32	Supplying laying of 1.1KV class L.TU.G Cable having aluminium conductor PVC insulated extruded inner shethed galvanised steel strip (except 2C X 10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554, Part -1:1988 & confirming to the attached GTP of Group A 3.5 core to 25 Sqmm	Mtrs	60.00	174.00	-	-	60.00	174.00	10440	60.00	10440
33	Labour Charges for laying of 1.1 K.V class UG cable 6Sqmm to 16 sqmm (	Mtrs	60.00	11.00	-	-	60.00	11.00	660	60.00	660
34	Digging or trenching of 0.6 m x 0.5 m wide refilling the trench to the required ground level and consolidating in Hard soil etc., complete as per specification and direction of Engineer-in-Charge	Mtrs	50.00	111.00	-	-	50.00	111.00	5550	50.00	5550

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35	insulating compound complete. With terminals, clamps, bolts nuts and washers etc., complete for 16 Sqmm as per specification	Each	2.00	293.00	-	-	2.00	293.00	586	2.00	586
36	Supplying and fixing Porcelain fuse channel with cut out on the existing wooden block & wiring complete 32 amps	Nos	6.00	189.00	-	-	6.00	189.00	1134	6.00	1134
37	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(b) / 2.3.5	Cum	58.46	332.00	-	-	58.46	332.00	19409	58.46	19409
38	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (external work) - 50mm nominal OD pipes	Mtrs	333.00	480.00	-	-	333.00	480.00	159840	333.00	159840
39	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fittings with one step solvent cement, trenching, refilling & testing of joints complete. (external work). - 20mm nominal OD pipes	Mtrs	200.00	174.00	-	-	200.00	174.00	34800	200.00	34800

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It No	Description of Item										
40	Providing and fixing to wall, ceiling and floor high density polyethylene pipes 6.00 kgf/sq.cm working pressure 63mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.15.2 / 13.9	Mtrs	100.00	330.00	-	-	100.00	330.00	33000	100.00	33000
41	KSRB 2-4 : Refilling available around earth pipe lines,cables in layers mot exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. And lift upto 1.5m. Including cost of all labour complete as per specifications.	Cum	58.46	134.00	-	-	58.46	134.00	7834	58.46	7834
42	Loading and unloading of stone boulder/stone aggregates/sand/kanker/ moorum. KSRRB M100-1:Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1	Cum	58.46	100.00	-	-	58.46	100.00	5846	58.46	5846
43	KSRB 2-4 : Providing and fixing in position brass gate valve with C.I.wheel of approved quality (screwed end) 50mm nominal bore including cost of all materials,labour and HOM of equipments with all leads complete as per specifications.	Each	30.00	1932.00	-	-	30.00	1932.00	57960	30.00	57960
44	Making connection of G.I.distribution branch with G.I.main of 25mm to 40mm. Nominal bore, including cutting and threading the pipes,providing and fixing Tee, nuts,labour for all item of works,testing and HOM of equipments complete as per specifications.	Each	30.00	537.00	-	-	30.00	537.00	16110	30.00	16110
45	KSRB13-6.2-1 : Providing and fixing in position brass stop cock of approved quality 15mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3	Each	50.00	157.00	-	-	50.00	157.00	7850	50.00	7850

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It No	Description of Item	unit	Qty	Rate	Qty	Amount	Qty	Rate	Amount	Qty	Amount
46	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2.	Cum	29.23	5667.00	-	-	29.23	5667.00	165646	29.23	165646
47	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) M 20 for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, for raft foundation column footing , main and secondary beams with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.)	Cum	19.49	6047.00	-	-	19.49	6047.00	117856	19.49	117856
	Grand Total								1730089		1730089
	GST 12%								207610		207610
	Grand Total								1937693		1937693

Certificate:

1 Certified that the work done by the agency if satisfied.
2 Amount accepted and chargable to the above work.
3 Certified that the debries are cleared from the spot by the agency.
4 Certified that the Necessary Q.C test Results are got obtained from the compitent authority and are enclosed along woth the bill.

Asst Engineer
Ward-16

29.23 × 0.85 = 24.85 × 0.57 = 16.66
19.49 × 0.90 = 17.54 × 0.45 = 8.77

42.39 @ 126 = 5341
25.43 @ 138 = 3509
8850

Asst Executive Engineer
Yeshwanthpura Sub Division

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